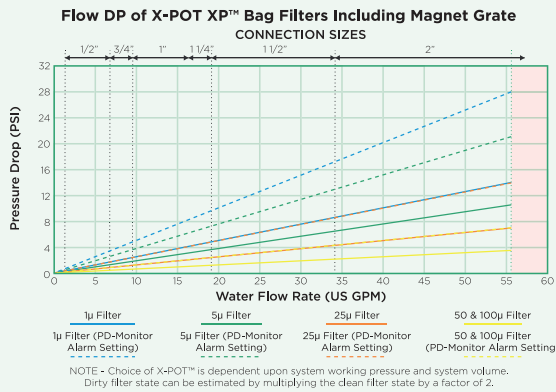


# VE XO X-POT XP Specification Sheet

<b>Product / Model</b>	X-POT Series/XP	<b>Art. Code</b>	
<b>Description</b>	Side Stream Filtration and Dosing Unit	<b>Date</b>	
<b>Customer</b>			
<b>Project</b>			
<b>Reference</b>			

## Design Criteria

- Medium:** Water/Glycol (Max 50%)
- Max. System Volume:** 79,885 US Gal
- Max. Pressure:** 232 PSI
- Min. Flow Rate:** 1.31 Gal/M
- Max. Flow Rate:** 55.47 Gal/M
- Max. Temp:** 32°F - 203°F (0°C - 95°C)
- Filtration Rate:** Filtration down to 1 Micron (Bag Filter)
- ΔP - Pressure Drop:** See below graph



- Mounting:** Floor Standing
- Dosing Capacity:** 6.6 US Gal
- Design Standard:** ASME BPVC VIII Div.1

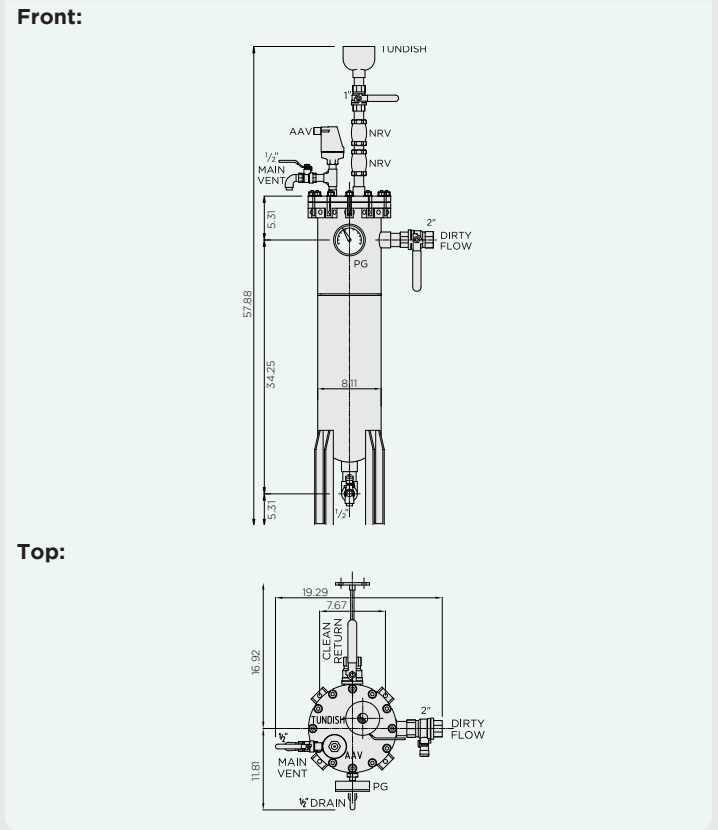
## Testing and Quality Assurance

- Test Pressure:** 360 PSI
- Test Medium:** Air
- Test Certificate:** Yes
- Drawing:** Yes
- Design Compliance:** ASME U Stamp
- Notified Body Inspection:** Yes
- Warranty:** 10 Years
- Industry Peer Reviewed Energy Savings:** Yes

## Construction Materials

- Vessel Body/Lid:** SS 304
- Baffle Plate:** SS 316
- Magnet Grate:** SS 316
- Magnets (13no.):** Neodymium Rare Earth (Encased in SS 304)
- Bag Filter:** Polypropylene Needlefelt
- Isolation Valves:** SS 304
- AAV:** DZR Brass (CW602N) (Female)
- NRV:** SS 304
- Fittings:** SS 304

## Drawing



## Dimensions

- Overall Height:** 57.88"
- Overall Depth:** 28.73"
- Overall Width:** 19.29"

## Connections

- Isolation Valve:** 2" NPTF
- AAV:** 1/2" NPTF

## Volume & Weight

- Volume:** 6.38 US Gal
- Dry Weight:** 99.20 Pounds
- Operational Weight:** 187.39 Pounds

## Accessories

- Pressure Differential Monitoring:** PD-Monitor (Optional)
- Insulation Jacket:** Yes (Optional)

## VEXO X-POT XP Specification Sheet

### General Description

**A** – The VEXO™ X-POT XP™ assists in the restoration of water quality and flow rates within Hydronic Heating and Cooling Systems to remain reliable and run at their intended design capabilities, by keeping the thermal fluid within the system filtered, clean and free from suspended particulates and micro-bubbles. This also allows Chemical Inhibitor's and Biocides to remain effective, thus reducing the accumulation of Corrosion, Scale and Bio-film deposits which would otherwise cause flow loss, degradation of plant and pipeline material, as well as reduced system reliability, increased running and reactive maintenance costs, water losses and reduced lifespan of system components, X-POT has valid peer reviewed white papers - detailing potential energy savings.

This is achieved by a combination of functions, as the X-POT™ acts as an all-in-one:

- Dirt & Air Separator
- Magnetic Filter
- Side Stream Filter (down to 1 micron)
- Shot Feeder (For adding Water Treatment Chemicals)

**B** – This section specifies cleaning and treatment of circulating HVAC water systems, including the following:

- I. Closed Loop Cooling Systems
- II. Closed Loop Heating Systems

### Product Description - Side Stream Water Filtration and Treatment Device

**A** – The Contractor shall furnish and install a full side stream filtration device that incorporates an industry peer reviewed 'all-in-one', shot feeder, magnetic filter and air and dirt separation device as shown and detailed on the contract documents. The product provided shall be the VEXO™ X-POT XP™ manufactured by VEXO International ([www.vexoint.com/us](http://www.vexoint.com/us)) and exclusively supplied by Skidmore of Benton Harbor, MI or an approved substitution.

**B** - The product shall be all stainless steel construction including all valves and fittings. Maximum working pressure shall be 232psi with flow rates up to 55.4 GPM with a temperature range of 32°F to 200°F. Dosing capacity shall be a minimum of 6.6 Gallons and Bag Filtration range to be no less than 50µ to 1µ (cartridge filters are not acceptable). Magnetic filtration shall consist of no less than thirteen (13) rare earth magnets - eight (8) with a minimum of 26.5 lbs pull force each, and five (5) with a minimum of 35 lbs pull force each - designed for easy removal and cleaning. Air separation efficiency to be 100% removal to micro-bubble level and incorporate an automatic air vent. Total system volume capacity shall be no less than 79,885 Gallons. The product must be provided with 2" isolation and drain valves and have an option for an insulation jacket with filter PD condition alarm installed to notify of timely filter changes and alert to water quality.